

CEC e-Newsletter – December 2020

A message from CEC President Professor Paul W Jowitt CBE

Dear CEC Members and Engineering Colleagues in the Commonwealth,

I sincerely hope that this newsletter finds you all in good health. I was pleased to catch up with many friends of the CEC during our August Teleconferences, and hope to connect with further colleagues in the new year and beyond.

While this year has brought many challenges, the CEC has had some brilliant achievements which we are very pleased to share with you in this newsletter.

1 CEC Reaccreditation with the Commonwealth Secretariat

As many will be aware, the CEC has been undergoing a routine re-accreditation process with the Commonwealth Secretariat, following their adoption of revised accreditation guidelines. After providing all the required evidence, on 12 November 2020 formal confirmation was received that CEC has now been reaccredited by the Commonwealth Secretariat, which is excellent news. Part of this evidence pack required the CEC to finalise its constitution and to appoint an Interim Executive Committee. More on these below. I am most grateful to CEC colleagues for their help with this process, and in particular, Katie Momber at the ICE for managing the whole process. She did an excellent job.

2 CEC Constitution

Following a review process with a group of volunteers and two teleconferences with CEC members and friends on the 27th August 2020, the CEC has now formalised its Constitution. This has been shared with the Commonwealth Secretariat and a copy is attached to this newsletter. Within the new Constitution, the term of office for the CEC Chair will span two years, with eligibility for re-election for a second consecutive term. Therefore, the next CEC Chair will be elected during the November 2022 WFEO Executive Council Meetings in Chennai, India.

3 Introducing the CEC Interim Executive Committee



Paul W Jowitt CBE, FRSE, FEng, FICE (President)

Paul Jowitt is Professor of Civil Engineering at Heriot Watt University, Edinburgh. He is currently President of the Commonwealth Engineers Council and a Past President (2009-10) of the Institution of Civil Engineers (ICE). In 2003 he chaired the ICE Presidential Commission - "Engineering without Frontiers" - to examine society's expectations of the civil engineer in the 21st Century and the engineer's contribution to meeting the UN Millennium Development Goals.

Paul Jowitt was the author of the ICE's 6th Brunel International Lecture "Engineering Civilisation from the Shadows" which addressed the twin issues of Poverty and Climate Change. The lecture was delivered at over 45 venues in 16 different countries.

He is Chair of Engineers Against Poverty and a Trustee of Engineers for Change (Sierra Leone). He is also a member of the Steering Group for the GCRF-DfID-funded Africa Catalyst Programme, managed by the RAEng.

Paul's major interests are in the fields of sustainable development, systems thinking, international development and water supply and water resources engineering.



Dawn Bonfield MBE, CEng, FIMMM, FICE, HonFIStructE, FWES, HonDEng

Dawn Bonfield MBE is a Royal Academy of Engineering Visiting Professor of Inclusive Engineering at Aston University, and is Founder & Director of Towards Vision, a not-for-profit which works towards a vision of diversity and inclusion in engineering. She is Past President and former Chief Executive of the Women's Engineering Society (WES). Dawn is Deputy Chair of the Women in Engineering Committee of the World Federation of Engineering Organisations working on the application of engineering and technology to address gender inequality globally.

Dawn has an interest in the history of women in engineering and manages a social enterprise called 'Magnificent Women'. She was the founder of the UNESCO sponsored International Women in Engineering Day (INWED) which takes place on 23 June annually.

A materials engineer by profession, Dawn has worked at AERE Harwell, Citroen Research Centre (Paris), British Aerospace (Bristol), MBDA (Stevenage), and the Institute of Materials, Minerals and Mining (London). Dawn now specialises in Inclusive Engineering outputs and how the engineering sector must produce engineering solutions which are accessible to all, promoting equality and social justice.



Yashin Brijmohan Pr.Eng, MEng, SMSAIEE

Yashin Brijmohan is a registered Professional Engineer with a Bachelor of Engineering Degree, Masters Degree, and a Diploma in Engineering Business Management. He is currently appointed as Chairman of Engineering Education at the Federation of African Engineering Organisations, Advisor to the President of the World Federation of Engineering Organisations, and Board Member of the UNESCO International Centre for Engineering Education.

As the founding Executive Dean of Business, Engineering, and Technology at Monash South Africa, he led curriculum development, teaching and learning, and research, across the areas of Engineering, Commerce, Accountancy, Information Technology, and Law. His illustrious career in engineering includes the appointment as Vice President of the World Federation of Engineering Organisations, and Chairperson of the International Engineering Capacity Building Committees.

In South Africa he served as Board Member, Chairperson of the Strategic Advisory Committee and Chairperson of the Continuing Professional Development Team for the Engineering Council of South Africa. He also served as Head of School for Engineering at the Eskom Academy of Learning, Chairperson of the Tertiary Education Support Programme developing science and engineering research and learning centres across universities, Chairperson of the Young Professional Development Committee (Eskom), and Board Director for the Southern African Business and Technology Incubation Association.

Yashin's interest and expertise is in leadership, strategy development, engineering and general management, and business development, combined with his strong engineering, education, data analysis and risk management experience. He is a thought leader in preparing industry, learning institutions,

society, and business for the Industrial and Technological Revolution with a focus on development and sustainability.



Myron W Chin, BSc, PhD, CEng, FICE, FStructE, FAPETT, LifeMASCE

Dr Myron W. Chin is presently an Independent Civil and Structural Engineering Consultant, and was a Resident Senior Civil and Structural Engineer at Atlantic Project Consultants Ltd (APCL) for the past 14 years. He was Senior Research Fellow and Global Earthquake Model (GEM) Operational Manager at the Seismic Research Centre, UWI from 2011-03-01 to 2012-02-29 and a Lecturer/Senior Lecturer in the Department of Civil Engineering, University of the West Indies (UWI), St. Augustine, Trinidad from 1972 to May 2001.

Dr Chin was a member of the UNESCO International Working Group on Continuing Education of Engineers and Technicians between 1977 and 1989, and a member of the Executive Committee and Council of IACEE from 1989 to May 1995, and Chairman of the Commonwealth Board on Engineering Education and Training (CBEET) of the Commonwealth Engineers Council (CEC) from November 1988 to March 1996.

Dr Chin is a Chartered Civil and Structural Engineer and holds Professional Membership in the American Society of Civil Engineers (Life MASCE) and is a Fellow of the Institution of Civil Engineers, UK (FICE), the Institution of Structural Engineers, UK (FStructE), and the Association of Professional Engineers of Trinidad and Tobago (FAPETT). He is a Registered Engineer of the Board of Engineering of Trinidad and Tobago (BOETT). He served as Secretary General of the Council of Caribbean Engineering Organisations (CCEO) from 1980-1984 and was President of the Association of Professional Engineers of Trinidad and Tobago from 1984-1985.

His current research interests include, inter alia, Disaster Management, Hurricane and Seismic Resistant Design of Buildings, the Development of Structural Design Codes, and the Use of Microcomputers and Expert Systems in Structural Engineering and Construction Engineering and Management.



Richard Coackley CBE, BSc, CEng, FICE, CWEM, FCIWEM

Richard's professional background as a chartered Civil Engineer is in water engineering and power. He has worked in both consulting and contracting engineering businesses as a Companies House Director.

He has been involved in major infrastructure works in Europe, the Middle East, Pakistan and Asia in water supply, sanitation, maritime, major hydropower and nuclear decommissioning.

Richard is a former President of ICE (2011-12) and Honorary Life President of the European Council of Civil Engineers. He is chair of the UK Reservoirs Committee and UK representative at the World Federation of Engineering Organisations.

Richard is keenly interested in the professional development of engineers of all ages and long-term International relationships and the delivery of UN SDG's. He is keen to enthuse young engineers and broaden their skills, for example project and programme management, financial management and whole life costing, to enable our profession to deliver value and succeed in our ever competitive market while retaining independence of thought in the logic and art of our profession. Richard was awarded CBE for services to civil engineering in 2014. Richard's other interests include double bass playing and vegetable garden growing.



Merv Lindsay BSc(Eng), FIEAust, FIPENZ, CEng, NER, GradAICD

Merv is an Australian civil/structural engineer and founder of Lindsay Dynan Consulting, a mid-size practice that began in 1980 and currently has offices across Australia. Merv was National President of Engineers Australia in 2011 and has a long association with EA including on Council, Congress, Civil College Board, chair of the International Committee and Division President. He has also served on various engineering related boards and committees including board member and chair of Engineers Media, member of various committees of the NSW Building Professionals Board and current chair of Engineering Heritage Australia. In 2013/14 Merv initiated a restructure to professionalise Engineers

Australia governance then chaired the necessary rewrite of the charter and bylaws and promoted its support by the membership. For this he was awarded the EA Presidents Prize.

Merv is also currently a board member of a not for profit (charity) and still does some hands-on engineering. Beyond that his passion is watercolour painting. Other interests include tennis, cycling and walking.

Merv has long recognised that Engineering is a global profession and therefore that international linkages through organisations like CEC, WFEO and others are vital to growing professional standards and sustaining our collective success and the prosperity and quality of life we deliver to others.



Ing Trudy Morgan FICE, FSLIE, MBA, CEng, BEng (Hons)

Ing Trudy Morgan is President of the Sierra Leone Institution of Engineers, Council Member of the Professional Engineers Registration Council and President of the Sierra Leone Women Engineers. Ing Trudy is a trustee with the UK based charity Engineers for Change (Sierra Leone) and the International Representative for the UK Institution of Civil Engineers in Sierra Leone. She has worked within Sierra Leone, with the World Bank in developing a programme to address the challenges of inadequacy of urban services provision and with the United Nations on

the Landslide Recovery Project following the recent landslide in Sierra Leone.

She led the team that successfully submitted and implemented the SLIE proposal, The Young Engineers Corp, under the GCRF's Africa Catalyst programme, implemented by the Royal Academy of Engineering, as well as the subsequent much larger programme. In December 2018, Ing Trudy made history by becoming the first female Fellow from Africa, of the UK Institution of Civil Engineers. She has won several awards locally for her work with women engineers. In June 2020, she became the first female President of the Sierra Leone Institution of Engineers in its 50th anniversary year.

Ing Trudy is a Project Management professional with a background in civil engineering. Ing Trudy started her career with Sir Robert McAlpine & Sons working on iconic buildings in London, followed by 11 years designing and building bridges across the UK. Following an MBA at Cranfield, she spent the next 10 working as management consultant and business development specialist and led three international teams across 17 countries designing and constructing offices for a large UK government agency. She returned to Sierra Leone in 2010 and has made significant strides to support the training of young people and the empowerment of women.

Navinchandra B Vasoya BE, FIE, LMISTE



Mr Navinchandra B Vasoya graduated in Chemical Engineering from Gujarat University (India). As the Chairman of a group of companies involved in Consultancy, Project Management, Industrial and Engineering Projects, Construction of Public Infrastructure Projects, Industrial Estate Development, etc, Mr Vasoya has delivered projects of National importance.

He is a fellow of the Institution of Engineers (India), serving as National Vice-President during the Session 2011-12 and subsequently, was elected as the National President for the Session 2016-17. At present, Mr Vasoya is serving as the Past President and also a sitting member of the National Council of The Institution of Engineers (India).

Mr Navinchandra B. Vasoya is elected as the National member in the Executive Council of WFEO for the session 2019-2023. He is also a member of the WFEO Governance Committee, the STC on Information & Communication (WFEO-CIC), and the WFEO – UN Relations Committee (WURC). He was Chair of the STC on Information and Communication Technology of the Federation of Engineering Institutions of Asia and the Pacific (FEIAP-ICT) in 2017-18, and is a member of the Executive Committee of the Federation of Engineering Institutions of South and Central Asia (FEISCA) and also the FEISCA representative to WFEO.

Mr Navinchandra B Vasoya is a Fellow of International Council of Consultants, Fellow of Indian Institution of Technical Arbitrators, Life Member of Indian Society of Technical Education, Member of Gujarat Chamber of Commerce & Industries and Member of Indo American Chamber of Commerce.

Mr Vasoya carries special expertise in Business Development, High Value Project Execution, Team Development, Mentoring & Coaching, Industrial Management, Construction Management, Lead Generation, Forming Strategic Alliances, Financial & Operational Management and Monitoring Compliances.

4 Future Plans and Membership of the CEC

All Commonwealth Professional Engineering Institutions will be invited to become official members of the CEC in early 2021. There will be opportunities for Full, Associate and Individual Membership. Potential members should apply via an application form which will be made available soon. However, there will be no Subscription fees due until after the November 2022 WFEO Executive Council Meetings in Chennai, India. Fee rates will be set by the Interim Executive Committee between now and then, and are expected to be modelled on the Table of UNESCO Bands for each Commonwealth Country. Of course, the actual Subscription rates will depend on the overall uptake in CEC membership.

5 Survey of the Built-Environment Professions in the Commonwealth

Following the cancellation of the 2020 Commonwealth Heads of Government Meeting (CHOGM) in Rwanda, the results of the survey of the Built-Environment Professions in the Commonwealth were published at a virtual webinar in July which can be [viewed here](#). The webinar was part of the Commonwealth Sustainable Cities initiative, which ran a programme of webinars and CPD lectures in the Summer of 2020. CEC co-chaired a session with UNESCO on 5th August on Infrastructure-led Community Resilience, which can be [viewed here](#).

6 Africa Catalyst and the Web App for Infrastructure Reporting

Work is continuing on the Web App with funding from Engineers Against Poverty (<http://engineersagainstopoverty.org/>) and the R&D Enabling Fund of the Institution of Civil Engineers (ICE). Some will recall the initial proof of concept App developed under Africa Catalyst Phase One between SAFEO and CEC. The new Web App is now being used in the successful FAEO application to

Africa Catalyst Phase 3, led by FAEO Past President Martin van Veelen to develop Infrastructure Report Cards (IRCs) for Africa. CEC is the UK partner. And CEC is also involved in the FAEO-led Working Group within WFEO on developing a Global IRC.

The Web App is not finished yet, but if you want a sneak preview of the development site, take a peek at <https://master-dev.infrastructurereportcard.xyz>

This is a major achievement for FAEO and CEC.

We now welcome any suggestions for future CEC activities, please submit these to p.w.jowitt@hw.ac.uk and/or katie.momber@ice.org.uk, and we will pass them on to the new Interim Executive Committee for consideration.

Kind regards,

A handwritten signature in blue ink, appearing to read "Paul Jowitt".

Paul Jowitt, President, Commonwealth Engineers Council

p.w.jowitt@hw.ac.uk